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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO. CONFIRMATION NO.	
09/764,283	01/19/2001	Tsugio Okamoto	FQ5-515 6372 EXAMINER	
466	7590 06/15/2004			
YOUNG &:	THOMPSON	VOLPER, THOMAS E		
745 SOUTH 23RD STREET 2ND FLOOR ARLINGTON, VA 22202			ART UNIT	PAPER NŮMBER
ARDINGTO	N, VA 22202		2665	
			DATEMAILED: 06/15/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applica	tion No	Applicant(s)			
		09/764,		OKAMOTO, TSUGIO			
a a	Office Action Summary	Examine		Art Unit			
	The MAILING DATE of this commu	Thomas		2665			
Period f	or Reply						
THE - External control	MORTENED STATUTORY PERIOD F MAILING DATE OF THIS COMMUN ensions of time may be available under the provision or SIX (6) MONTHS from the mailing date of this com e period for reply specified above is less than thirty (D period for reply is specified above, the maximum s ure to reply within the set or extended period for repl reply received by the Office later than three months led patent term adjustment. See 37 CFR 1.704(b).	IICATION. s of 37 CFR 1.136(a). In no e munication. 30) days, a reply within the st statutory period will apply and y will, by statute, cause the ap	event, however, may a reply be ting atutory minimum of thirty (30) day will expire SIX (6) MONTHS from aplication to become ABANDONE	nely filed rs will be considered timely. Ithe mailing date of this communication. ED (35 U.S.C. § 133).			
Status							
1)	Responsive to communication(s) fil	ed on					
2a) <u></u> □	This action is FINAL.	2b)⊠ This action is	non-final.				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposit	tion of Claims						
5)	Claim(s) 1-12 is/are pending in the 4a) Of the above claim(s) is/a Claim(s) is/are allowed. Claim(s) 1-12 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restrict	are withdrawn from c					
Applicat	tion Papers						
10)	The specification is objected to by the The drawing(s) filed on is/are Applicant may not request that any objected that any objected the oath or declaration is objected the specific or	e: a) accepted or the action to the drawing(s) g the correction is requ	be held in abeyance. Se ired if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 CFR 1.121(d).			
. —	•	to by the Examiner. I	Note the attached Office	ACION OF IONN'T 10-132.			
-	under 35 U.S.C. § 119			,			
a)	Acknowledgment is made of a claim All b) Some * c) None of: 1. Certified copies of the priority 2. Certified copies of the priority 3. Copies of the certified copies application from the Internationsee the attached detailed Office actions	y documents have be y documents have be s of the priority docun onal Bureau (PCT Re	en received. en received in Applicat nents have been receiv ule 17.2(a)).	ion No ed in this National Stage			
Attachmer	nt(s) ce of References Cited (PTO-892)		4) Interview Summary	r (PTO-413)			
2) Notice 3) Infor	ce of References Cited (F10-032) ce of Draftsperson's Patent Drawing Review (mation Disclosure Statement(s) (PTO-1449 o er No(s)/Mail Date <u>3 and 4</u> .		Paper No(s)/Mail D				

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-12 are rejected under 35 U.S.C. 102(e) as being anticipated by Thomas et al. (US 5,862,206).

Regarding claims 1, 2 and 9, Thomas discloses a packet buffer for storing packets for each of the flows of packets (col. 37, lines 49-64; see Figure 6B), a content-addressable memory for storing a plurality of scheduled transmission times at different addresses each corresponding to the flows of packets (col. 47, line 56 – col. 48, line 19), a timer counting a current time (col. 25, lines 23-33) and a current-time searcher for searching the content-addressable memory for a scheduled transmission time matching the current time to determine whether a packet to be transmitted at the current time exists (col. 23, lines 4-15). Thomas also discloses a packet management table for storing linkage information indicating a linkage of a plurality of packets that are to be transmitted at a same scheduled transmission time (col. 22, lines 50-58; see schedule table 174, Figure 20a). The entries in the table are stored by using a VC number, which is equivalent to a flow number and is stored at a particular entry of the table representing its scheduled time slot. Thomas also discloses a packet transmission controller for transmitting at

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least one packet at the scheduled transmission time matching the current time by referring to the packet management table (col. 37, lines 49-64).

Regarding claim 3, Thomas discloses the scheduling of VCs depends on whether the flow is a CBR or ABR flow, which meets the limitation of calculating a transmission time based on a predetermined traffic (col. 21, lines 49-58). Thomas also discloses searching to determine whether the calculated transmission time matches a scheduled transmission time that has been registered and adding an input packet to the linkage for the calculated scheduled transmission time (col. 23, lines 4-40).

Regarding claims 4-6, 10 and 11, Thomas discloses eliminating a scheduled transmission time meeting the calculated transmission time and removing a packet that has been transmitted from a linkage by using a valid flag (col. 26, line 18 – col. 27, line 67).

Regarding claim 7, Thomas discloses the entries in the table are stored by using a VC number, which is equivalent to a flow number and is stored at a particular entry of the table representing its scheduled time slot (col. 22, lines 50-58; see schedule table 174, Figure 20a).

Regarding claims 8 and 12, Thomas discloses that the flows are scheduled according to whether they are CBR or ABR flows, which meets the limitation of calculating a transmission time to meet its predetermined traffic parameter.

Conclusion

3. Any inquiry concerning this communication, or earlier communications from the examiner should be directed to Thomas Volper whose telephone number is 703-305-8405 and

fax number is 703-746-9467. The examiner can normally be reached between 8:30am and

6:00pm M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu, can be reached at 703-308-6602. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4750.

Thomas E. Volper

TEV

June 2, 2004

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600